

Recovery Plan Action Status

Plan Name: Final Recovery Plan for the Prairie Species of Western Oregon and Southwestern Washington

Plan Status: Final

Plan Date: 29-Jun-10

Lead Agency: USFWS

Lead Office: Oregon Fish And Wildlife Office
(503)
(231-8179)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.1.6.3	Manage and monitor reintroduced and augmented populations	Ongoing Current	FY 2010		Oregon Department of Transportation, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , U.S. Army Corps of Engineers	Management: Habitat Maintenance and Manipulation, Management: Reintroduction, Research: Population Assessment	Contract, Internal Field Assistance	20K each year
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	1	1.2.1	Evaluate the status of extant populations	Ongoing Current	FY 2005		Oregon Department of Agriculture, Oregon Department of Transportation, Confederated Tribes of the Grande Ronde, U.S. Fish and Wildlife Service, U.S. Forest Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Research: Population Surveys	Species Expert	25k/spp/yr/ 1st 3 yrs; 1st 3 yrs/5-yr period

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	1	1.2.3.1	Select populations on which to focus recovery efforts	Ongoing Current	FY 2005		Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Washington Department of Natural Resources	Research: Population Assessment	Species Expert	
Golden Paintbrush (<i>Castilleja levisecta</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.3.2	Evaluate protected status of populations	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service	Research: Population Assessment	Species Expert	

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.3.4	Develop site-specific management plans	Ongoing Current	FY 2005		Oregon Department of Agriculture, Oregon Department of Transportation, Confederated Tribes of the Grande Ronde, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Management	Internal Technical Assistance, Species Expert	50K every yr 5-10; 25K every yr 11-15; 25K yr 17 and 19
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.3.5.1.1	Prescribed fire	Ongoing Current	FY 2005		Oregon Department of Agriculture, Oregon Department of Transportation, Confederated Tribes of the Grande Ronde, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Management: Habitat Maintenance and Manipulation	Contract	40K/yr/ERDED/40K/yr/LUSUKI; 60K/yr/LOBR; 70k/yr/SINE; every 3rd year

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.3.5.1.2	Mowing	Ongoing Current	FY 2005		Oregon Department of Agriculture, Oregon Department of Transportation, Confederated Tribes of the Grande Ronde, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Management: Habitat Maintenance and Manipulation	Contract	15K/yr/ERDED; 15K/yr/LUSUKI; 20K/yr/LOBR; 25k/yr/SINE; every other year
Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.3.5.1.3	Remove woody plants	Ongoing Current	FY 2005		Oregon Department of Agriculture, Oregon Department of Transportation, Confederated Tribes of the Grande Ronde, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Management: Habitat Maintenance and Manipulation	Contract	10K every 3rd year after

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.3.5.1.4	Eliminate non-native plants to extent practicable and restore native prairie species	Ongoing Current	FY 2005		Oregon Department of Agriculture, Oregon Department of Transportation, Confederated Tribes of the Grande Ronde, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Management: Habitat Maintenance and Manipulation	Contract	20K every 3rd year after
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	1	1.2.3.5.1.5	Work to discourage introduction of transgenic herbicide-resistant grasses in the region	Ongoing Current	FY 2008		U.S. Fish and Wildlife Service	Other: Information and Education, Other: Regulations	Species Expert	Costs are TBD
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.3.5.2	Restore connectivity among populations	Ongoing Current	FY 2005		Oregon Department of Agriculture, Oregon Department of Transportation, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Management: Identify/Protect Foraging, Breeding and Mig Habitats	Species Expert	10K each year after

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	1	1.2.3.5.3.2	Develop protocols for site preparation and planting from seeds in situ	Ongoing Current	FY 2008		Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Washington Department of Natural Resources	Research: Management Techniques, Research: Propagation	Contract, Species Expert	2K/plant spp
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.3.5.3.3	Implement population augmentation	Ongoing Current	FY 2008		Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Washington Department of Natural Resources	Management: Propagation	Contract, Species Expert	Costs are TBD

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.2.4.2	Conduct reintroductions	Ongoing Current	FY 2008		Oregon Department of Agriculture, Oregon Department of Transportation, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Research: Reintroduction	Species Expert	50K every yr 5-10; 25K every yr 11-15; 10K yr 16-20
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	1	1.2.5.1	Develop standardized monitoring protocol to monitor population abundance and evaluate population trends at all population sites	Ongoing Current	FY 2008		Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Washington Department of Natural Resources	Management: Population Monitoring	Contract	3k/plant spp

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.2.6	Monitor prairie quality at all population sites	Ongoing Current	FY 2006		Oregon Department of Agriculture, Oregon Department of Transportation, Confederated Tribes of the Grande Ronde, U.S. Fish and Wildlife Service, The Nature Conservancy, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Management: Population Monitoring	Contract, Species Expert	40K every other yr after
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.2.7	Collect and bank seeds	Ongoing Current	FY 2007		Oregon Department of Agriculture, Berry Botanic Garden, U.S. Fish and Wildlife Service, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Management: Propagation	Contract, Species Expert	5k/plant spp

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	1	1.3.1	Determine the effect of herbicides on different life stages of Fender's blue butterfly	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Universities or Colleges	Research: Other Information	Contract	
Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.3.10	Evaluate the importance of mycorrhizae and other below-ground micro-organisms on plant performance	Not Started			Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges	Research: Habitat Requirements	Contract	
Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.3.11	Assess the use of mowing as a tool to control vole populations	Not Started			Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges	Research: Ecosystem Studies	Contract	

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Golden Paintbrush (<i>Castilleja levisecta</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.3.12	Evaluate interactions between listed species and non-native plants	Not Started			Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges	Research: Ecosystem Studies	Contract	Costs are TBD
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.3.13	Evaluate the use of livestock grazing as a tool to manage prairie habitat	Ongoing Current	FY 2011	FY 2016	Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges	Research: Demographic Studies	Contract	Project: Demography and management of Willamette daisy
Golden Paintbrush (<i>Castilleja levisecta</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.3.14	Investigate innovative weeding and vegetation sampling techniques	Ongoing Current	FY 2006		Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges	Research: Management Techniques	Contract	

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Nelson's checkermallow (<i>Sidalcea nelsoniana</i>)	3	1.3.15	Evaluate the threat of seed predation by weevils, and develop management strategies to control weevil damage, if needed	Not Started			Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges	Research: Predation	Contract	
Golden Paintbrush (<i>Castilleja levisecta</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desertparsley (<i>Lomatium bradshawii</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.3.16	Identify factors that limit the expansion of populations of listed prairie plants	Ongoing Current	FY 2010	FY 2016	Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges	Research: Ecosystem Studies, Research: Habitat Requirements, Research: Management Techniques	Contract	project: Demography and management of Willamette daisy
Golden Paintbrush (<i>Castilleja levisecta</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desertparsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.3.17.1	Convene an expert panel to advise the recovery program on measures needed to respond or adapt to impending climate change effects to the listed species addressed in this recovery plan	Not Started			Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges, U.S. Geological Survey - Biological Resources Division, Washington Department of Natural Resources	Research: Climate Change	Contract	

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Golden Paintbrush (<i>Castilleja levisecta</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.3.17.2	Evaluate the role of habitat heterogeneity in buffering populations from the effects of changing climate patterns in the region	Not Started			Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges, U.S. Geological Survey - Biological Resources Division, Washington Department of Natural Resources	Research: Climate Change	Contract	Costs are TBD
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.3.2	Develop guidelines for protection of Fender's blue butterfly and its habitat from pesticides	Not Started			U.S. Fish and Wildlife Service, Universities or Colleges	Research: Environmental Contaminants	Contract	
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.3.5	Investigate the role of pollinators in supporting forb species needed for nectar species diversity	Not Started			U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges	Research: Ecosystem Studies	Contract	

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Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	2	1.3.6	Evaluate the effectiveness of different prairie management techniques	Ongoing Current	FY 2006		Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Bureau Land Management , Washington Department of Natural Resources, U.S. Army Corps of Engineers	Research: Management Techniques	Contract	
Golden Paintbrush (<i>Castilleja levisecta</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.3.7	Identify pollinators and determine habitat needs of pollinators	Not Started			Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges, Washington Department of Natural Resources	Research: Taxonomic Studies	Contract	
Kincaid's Lupine (<i>Lupinus sulphureus</i> (=oreganus) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Nelson's checkermallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	3	1.3.8.2	Evaluate incidence of hybridization and develop strategies to minimize potential hybridization	Not Started			Oregon Department of Agriculture, U.S. Fish and Wildlife Service, Non-governmental organizations, Universities or Colleges, Washington Department of Natural Resources	Research: Genetics	Contract	2 spp - 0.5/spp

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Golden Paintbrush (<i>Castilleja levisecta</i>), Larkspur (<i>Delphinium leucophaeum</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Hitchcock's blue-eyed grass (<i>Sisyrinchium hitchcockii</i>), Willamette Valley larkspur (<i>Delphinium nuttallii</i> ssp. <i>nuttallii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), shaggy horkelia (<i>Horkelia congesta</i> ssp. <i>congesta</i>), Taylor's (=whulge) Checkerspot (<i>Euphydryas editha taylori</i>), Columbian whitetop aster (<i>Sericocarpus rigidus</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>), Peacock larkspur (<i>Delphinium pavonaceum</i>)	1	3.1	Develop an active program to engage private landowners in the conservation of listed and nonlisted prairie species and prairie habitat restoration	Not Started			U.S. Fish and Wildlife Service	Management: General	Species Expert	10K each year after

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Golden Paintbrush (<i>Castilleja levisecta</i>), Larkspur (<i>Delphinium leucophaeum</i>), Kincaid's Lupine (<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (=var. <i>kincaidii</i>)), Bradshaw's desert-parsley (<i>Lomatium bradshawii</i>), Hitchcock's blue-eyed grass (<i>Sisyrinchium hitchcockii</i>), Willamette Valley larkspur (<i>Delphinium nuttallii</i> ssp. <i>nuttallii</i>), Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>), shaggy horkelia (<i>Horkelia congesta</i> ssp. <i>congesta</i>), Taylor's (=whulge) Checkerspot (<i>Euphydryas editha taylori</i>), Columbian whitetop aster (<i>Sericocarpus rigidus</i>), Nelson's checker-mallow (<i>Sidalcea nelsoniana</i>), Willamette daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>), Peacock larkspur (<i>Delphinium pavonaceum</i>)	3	4.1	Establish a technical working group to review the effectiveness of management plans and recovery actions, monitor the status of the species, and coordinate conservation efforts	Not Started			U.S. Fish and Wildlife Service, Recovery Team	Management, Other, Research	Contract, Species Expert	10 K every 5th year

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